## Claims

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- A power tool, in particular a handheld electric power tool, having a housing
   (10) with a coolant duct arrangement, having through openings (14), for a cooling medium for cooling at least one motor located in the housing (10), wherein the through openings (14) each have cross- sectional areas in the range from 0.15 mm² to 10 mm².
- 2. The power tool according to claim 1,wherein the through openings (14) are provided at at least one coolant outlet.
- The power tool according to claim 1 or 2,
   wherein the through openings (14) are located in a plate which is joined to the
   housing (10).
  - 4. The power tool according to one of the foregoing claims, wherein the through openings (14) have a depth which is equivalent to at least one crosswise length of the through openings (14).
    - 5. The power tool according to one of the foregoing claims, wherein the through openings (14) are embodied as round.
- 6. The power tool according to one of the foregoing claims,
  wherein elements (20) in a flow path inside the housing (10) are provided with
  rounded edges and/or are embedded in at least some regions in a casting
  composition (34).
- 7. A coolant duct arrangement having through openings (14) for a coolant, in particular for a power tool,

wherein the through openings (14) each have cross- sectional areas in the range from 0.15 mm<sup>2</sup> to 10 mm<sup>2</sup>.

8. The coolant duct arrangement according to claim 7,

wherein the through openings (14) have a perforation structure (18), with through openings (14) located in columns (24) and rows (26).

9. The coolant duct arrangement according to claim 7 or 8, wherein the through openings (14) have a depth which is equivalent to at least one crosswise length of the through openings (14).

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- 10. The coolant duct arrangement according to one of claims 7 through 9, wherein a rib width between two through openings (14) closest to one another is equivalent at most to one crosswise length of the through openings (14).
  - 11. The coolant duct arrangement according to one of claims 7 through 10, wherein the through openings (14) are located in columns (24) and/or rows (26) of equal rib width.
  - 12. The coolant duct arrangement according to one of claims 8 through 11, wherein the through openings (14) are combined in groups (28), which are spaced apart substantially equally in columns and/or in rows.
- 13. The coolant duct arrangement according to claim 12, wherein the through openings (14) within the groups (28) have different diameters and/or rib widths.
- 14. The coolant duct arrangement according to one of claims 7 through 13, wherein the through openings (14) are embodied substantially cylindrically.